

ASSIGNMENT - 1

1. Why do computers understand only binary language?

ANS: A computer is an electronic device , it is a collection of hardware devices such as RAM ,ROM , CPU, hard disk etc. and they only understand electrical signals i.e. transition in the voltage . Modern computers are based on semiconductor technology which understands high and low voltages. The CPU which consists of millions of transistors acts as switch , at low voltage these acts as close switch and at high voltage these acts as open switch and open switch represents 1 and close represents 0 .0 and 1 is called binary .

2.What is the full form of IDE?

ANS: Integrated Development Environment

3. What is the difference between a text editor and a code editor?

ANS : Text editors can view or edit the text. can't run the code.Code editors are for editing and running the code(programming).

4.What are the steps to develop software using the C language?

ANS: 1. Install IDE

2. Create on new project

3. Write the program ,build and run it .

5.What is the latest version of C Language?

ANS :C17 is the current standard for the C programming language. Published in June 2018.

6.Who developed C Language?

ANS : Dennis M Ritchie

7.What is the difference between System and Application Software?

ANS :System software is used for operating computer hardware

Application software is used by users to perform specific tasks.

8.How to convert a number from a decimal number system to a binary number system?

ANS: 1.Write down the number.

2.Divide it by 2 and note the remainder.

3.Divide the quotient obtained by 2 and note the remainder.

4.Repeat the same process till we get 0 as the quotient.

5.Write the values of all the remainders starting from the bottom to the top.